

CLAIMS

What is claimed is:

- 1 1. An insect repelling resin product to be employed in an object, comprising
2 a resin;
3 an insect repelling component contained in the resin, the insect repelling component
4 being gradually discharged from the resin over time; and
5 a geometric feature applicable to a path along which insects travel.
- 1 2. The insect repelling resin product of claim 1 wherein the geometric feature is a main
2 body configured for insertion into an aperture of the object.
- 1 3. The insect repelling resin product of claim 2 further comprising a fastening means
2 coupled to an outer peripheral face of the main body.
- 1 4. The insect repelling resin product of claim 2 further comprising a flange coupled
2 along one end of the main body.
- 1 5. The insect repelling resin product of claim 2 wherein the main body comprises a
2 hollow center.
- 1 6. The insect repelling resin product of claim 1 wherein the insect repelling resin
2 product is configured to be elastically deformable in conformity with employment in the
3 object.
- 1 7. The insect repelling resin product of claim 1 wherein the geometric feature is an
2 elongated U-shaped body having an opening end portion forming a groove, the opening
3 end portion configured for providing an ability to employ the insect repelling resin
4 product along a protruding edge portion of the object.

- 1 8. The insect repelling resin product of claim 7 further comprising a plurality of slits,
2 the slits configured for providing an ability to employ the insect repelling resin product
3 along curvatures.
- 1 9. The insect repelling resin product of claim 1 wherein the geometric feature is a
2 spiral shape, the spiral shape configured for providing an ability to employ the insect
3 repelling resin product about at least one long body.
- 1 10. The insect repelling resin product of claim 1 wherein the geometric feature is a tube
2 shape having a slit in a longitudinal direction, the tube shape being deformable along the
3 slit to employ the insect repelling resin product about at least one long body.
- 1 11. The insect repelling resin product of claim 1 wherein the geometric feature is a C-
2 shaped curvature portion coupled to a male and female engagement portion.
- 1 12. The insect repelling resin product of claim 1 wherein the geometric feature is an
2 elastic strip further comprising a locking portion and an engagement portion.
- 1 13. The insect repelling resin product of claim 1 further comprising a fastening means.
- 1 14. The insect repelling resin product of claim 13 wherein the fastening means is a
2 elastic one-way piece.
- 1 15. The insect repelling resin product of claim 1 wherein the insect repelling component
2 further comprises a compound providing sustained-release property to the insect repelling
3 component.
- 1 16. The insect repelling resin product of claim 1 wherein the geometric feature is a flat
2 sheet, the flat sheet being customizable.

1 17. A method for utilizing an insect repelling resin product, comprising:
2 disposing a molded insect repelling resin product having an insect repelling
3 component to an area along a path in which insects travel in order to penetrate an object;
4 and
5 gradually discharging the insect repelling component to deter the insects from
6 penetrating the object.

1 18. The method of claim 17 wherein the disposing further comprises installing the
2 molded insect repelling resin product in an aperture formed in the area.

1 19. The method of claim 17 wherein the disposing further comprises installing the
2 molded insect repelling resin product along an edge portion.

1 20. The method of claim 17 wherein the disposing further comprises disposing the
2 molded insect repelling resin product in a gap formed in the area.

1 21. The method of claim 17 wherein the disposing further comprises disposing the
2 molded insect repelling resin product about at least one long body.

1 22. A method for producing an insect repelling resin product, comprising:
2 providing at least a resin, an insect repelling component, and a compound having
3 sustained-release properties, the compound having sustained-release properties causing
4 the insect repelling component to be gradually discharged;
5 combining at least the resin, the insect repelling component, and the compound
6 having sustained-release properties; and
7 molding at least the resin, the insect repelling component, and the compound
8 having sustained-release property into geometric feature applicable to a path along which
9 insects travel.

1 23. The method of claim 22 wherein the geometric feature is a main body shaped for
2 insertion into an aperture of the object.

1 24. The method of claim 23 wherein the main body comprises a hollow center.

1 25. The method of claim 22 wherein the geometric feature is an elongated U-shaped
2 body having an opening end portion forming a groove, the opening end portion
3 configured for providing an ability to employ the insect repelling resin product along a
4 protruding edge portion of the object.

1 26. The method of claim 25 further comprising a plurality of slits, the slits configured
2 for providing an ability to employ the insect repelling resin product along curvatures.

1 27. The method of claim 22 wherein the geometric feature is a spiral shape, the spiral
2 shape configured for providing an ability to employ the insect repelling resin product
3 about at least one long body.

1 28. The method of claim 22 wherein the geometric feature is a tube shape having a slit
2 in a longitudinal direction, the tube shape being deformable along the slit to employ the
3 insect repelling resin product about at least one long body.

1 29. The method of claim 22 wherein the geometric feature is a C-shaped curvature
2 portion coupled to a male and female engagement portion.

1 30. The method of claim 22 wherein the geometric feature is an elastic strip further
2 comprising locking portion and an engagement portion.

1 31 The method of claim 22 wherein the geometric feature is a flat sheet, the flat sheet
2 being customizable.

1 32. A system for utilizing an insect repelling resin product, comprising
2 means for disposing a molded insect repelling resin product having an insect
3 repelling component to an area along a path in which insects travel in order to penetrate an
4 object; and
5 means for gradually discharging the insect repelling component to deter the insects
6 from penetrating the object.